

P/2 DA2 PLUS

Two Output VGA Distribution Amplifier



FEATURES

- Input: One male 15-pin HD connector on attached 5' (1.5 m) male VGA cable
- Outputs: Two female 15-pin HD connectors
- 300 MHz (~3dB) RGB video bandwidth, fully loaded
- Compatible with VGA-QXGA resolutions
- Both outputs are individually buffered
- Routes all video card ID bits through the local monitor output to allow for automatic resolution selection by DDC1 and DDC2 plug and play cards and projectors
- DIP-switch selectable input and output sync impedance
- External universal power supply attached

DESCRIPTION

The Extron **P/2 DA2 PLUS** is a one input, two output, high resolution VGA distribution amplifier. Housed in a compact, durable enclosure, the P/2 DA2 PLUS is portable enough to fit into a briefcase for presenters on-the-go. The P/2 DA2 PLUS offers 300 MHz (~3 dB) RGB video bandwidth and is compatible with VGA-QXGA graphic cards, projectors and flat panel displays.

Minimum/maximum levels	0.4 V to 1.4 Vp-p (follows input)
Impedance	75 ohms
Return loss	-41 dB @ 5 MHz
DC offset	±5 mV maximum with input at 0 offset

SYNC

Input type	RGBHV, RGBS, RGSB, RsGsBs, bi-level and tri-level sync
Output type	RGBHV, RGBS, RGSB, RsGsBs, bi-level and tri-level sync
Input level	Analog or TTL, 1.7 V to 5 Vp-p
Output level	TTL: 0-5 Vp-p, unterminated
Input impedance	510 ohms (default) or 10k ohms, selectable
Output impedance	50 ohms (default) or 75 ohms, selectable
Max. propagation delay	60 ns
Max. rise/fall time	4 ns
Polarity	Positive or negative (follows input)

GENERAL

Attached external power supply	100 VAC to 240 VAC, 50/60 Hz, 4.5 watts, external, universal; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.2 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: -32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	No
Enclosure type	Plastic
Enclosure dimensions	1.5" H x 5.0" W x 2.5" D 3.8 cm H x 12.7 cm W x 6.4 cm D (Depth excludes connectors.)
Product weight	1.6 lbs (0.7 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.

SPECIFICATIONS

VIDEO

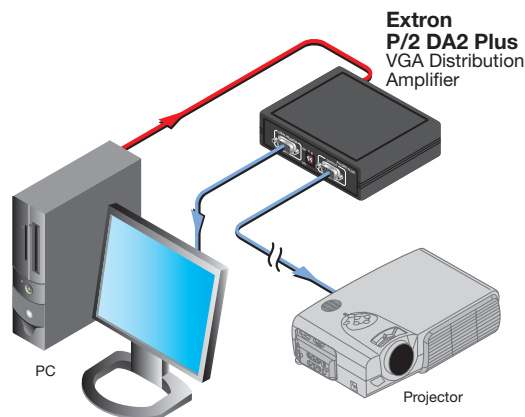
Gain	Unity
Peaking	Fixed
Bandwidth	300 MHz (~3 dB)

VIDEO INPUT

Number/signal type	1 VGA-QXGA RGBHV, RGBS, RGSB, RsGsBs, HDTV component video (with adapter)
Connectors	(1) 15-pin HD male cable (built-in)
Nominal level	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels	Analog: 0.4 V to 1.4 Vp-p with no offset at unity gain
Impedance	75 ohms
Horizontal frequency	15 kHz to 135 kHz
Vertical frequency	30 Hz to 170 Hz
Return loss	<-38 dB @ 5 MHz

VIDEO OUTPUT

Number/signal type	1 VGA-QXGA RGBHV, RGBS, RGSB, RsGsBs, HDTV component video (with adapter) 1 VGA-QXGA RGBHV, RGBS, RGSB, RsGsBs local monitor output/loop-through (ID bits are passed through)
Connectors	(2) 15-pin HD female
Nominal level	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video



MODEL

P/2 DA2 PLUS

VERSION DESCRIPTION

1x2 VGA-QXGA

PART

60-046-03

OPTIONAL ACCESSORIES

T-VGA

MODEL DESCRIPTION

VGA and SVGA Termination Adapter Plug

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PART

26-106-01